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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,325	09/29/2003	Satoru Yukie	982020-2004.1	5292

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NEW YORK, NY 10151

EXAMINER
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RAMAKRISHNAIAH, MELUR

ART UNIT	PAPER NUMBER
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2643

DATE MAILED: 07/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/675,325

Applicant(s)

YUKIE ET AL.

Examiner

Melur Ramakrishnaiah

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-51 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-51 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2-23-2004.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-4, 8, 10, 12, 13, 26-29, 33, 36, 38-41, 45, 48, 50-51, are rejected under 35 U.S.C 102(e) as being anticipated by Elzur (US PAT: 6,621,893, filed 1-10-2001, hereinafter Elzur).

Regarding claim 1, Elzur discloses a telephony system, comprising: a phone connection for connecting to a telephone (160, fig. 1), a network connection (110, fig. 1) for connecting to a network, and a controller (120, fig. 1) connected to the telephone connection and to the network connection, wherein the controller provides a phone service for processing information for the phone connection, the controller provides network service for processing information for the network connection, the controller provides network voice service for converting information to and from network voice format (col. 1, line 55 – col. 5, line 38).

Regarding claim 26, Elzur discloses a method of sending data to a network, comprising: receiving information through a phone connection (150, fig. 1) at a terminal (fig. 1), wherein the terminal information indicates a service (for example voice service), preparing intermediate information based on the information according to the indicated

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service, preparing network data based on the intermediate information according to a network protocol for a network connected to the terminal, and sending the data to the network (col. 1, line 55 – col. 5, line 38).

Regarding claim 38, Elzur discloses a method of processing data from a network, comprising: receiving information through a network connected to a terminal (fig. 1), wherein the network connection is connected to a network and information indicates a service, preparing intermediate information based on the information according to the indicated service, preparing phone information based on the information according to a protocol for a telephone connected to the terminal, and sending the phone information to the telephone (col. 1, line 55 – col. 5, line 38).

Regarding claim 50, Elzur discloses a system for sending data to a network, comprising: means (126/130, fig. 1) for processing information through a phone connection at a terminal, wherein information indicates a service, means (170, fig. 1) for preparing intermediate information based on the information according to indicated service, means (120, fig. 1) for preparing network data based on the intermediate information according to a network protocol for network connected to the terminal, means (110, fig. 1) for sending data to the network (col. 1, line 55 – col. 5, line 38).

Regarding claim 51, Elzur discloses a system for processing data from a network, comprising: means (120/130, fig. 1) for processing information received through a network connection at a terminal, wherein the network connection is connected to a network and information indicates service, means (120, fig. 1) for preparing intermediate information based on the information according to the indicated

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service, means (130, fig. 1) for preparing the phone information based on the intermediate information based on the intermediate information according to a protocol for a telephone connected to the terminal , means (150, fig. 1) for sending the phone information to the telephone (col. 1, line 55 – col. 5, line 38).

Regarding claims 2-4, 8, 10, 12, 13, 27-29, 33, 36, 39-41, 45, 48, Elzur further teaches the following: the phone connection is an RJ-11/USB connection (col. 1, line 64 – col. 2, line 2), the network connection is an RJ-45 connection (col. 2 lines 11-15), the network voice format supports voice data in an IP network (col. 2 lines 23-27), a peripheral connection connected to the controller (120, fig. 1) for connecting to a peripheral device, the peripheral connection is for connecting to a computer system (col. 2 lines 52-57), a control connection (140, fig. 1) connected to the controller for transferring control information to and from the telephone (160, fig. 1) connected to the phone connection, receiving control information through a control connection from the telephone, wherein preparing the intermediate information includes using the control information (col. 3 lines 20-25).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. Claims 5, 16-19, 22-23, 30, 34, 42, 46, are rejected under 35 U.S.C. 103(a) as being unpatentable over Elzur in view of Sherlock et al. (US PAT: 6,882,709, filed 4-14-2000, hereinafter Sherlock).

Regarding claims 5, 16-19, 22-23, 30, 34, 42, 46, Elzur does not teach the following: network connection is a broadband connection; the controller provides a message service for supporting transferring information for message applications between the phone connection and network connection, controller supports backing up data from the telephone, the message service supports an email application, the controller provides a G3 fax service for supporting transferring information for fax conversion between the phone connection and the network connection, the controller provides voice mail service for supporting transferring information for voice mail between the phone connection and the network connection, the controller supports PIM information management.

However, Sherlock discloses enhanced broadband telephony services which teaches the following: network based mail systems to provide a multitude of different telephony services via broadband network such as organization of incoming/outgoing voice mail, email, faxes, call log etc., (col. 1 lines 45-65).

Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Elzur's system to provide for the following: network connection is a broadband connection; the controller provides a message service for supporting transferring information for message applications between the phone connection and network connection, controller supports backing up data from the

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telephone, the message service supports an email application, the controller provides a G3 fax service for supporting transferring information for fax conversion between the phone connection and the network connection, the controller provides voice mail service for supporting transferring information for voice mail between the phone connection and the network connection, the controller supports PIM information management as this arrangement would enable the users to have multitude of well known useful services as taught by Sherlock, thus enhancing user convenience.

5. Claims 6-7, 9, 24-25, 31-32, 37, 43-44, 49, are rejected under 35 U.S.C. 103(a) as being unpatentable over Elzur in view of Cheah et al. (US PAT: 6,901,271, filed 10-23-2000, hereinafter Cheah).

Regarding claims 6-7, 9, 24-25, 31-32, 37, 43-44, 49, Elzur does not teach the following: network connection is a wireless connection, the network connection is a CDMA connection, a radio interface connected to the controller, and an antenna connected to the interface, controller supports wireless terminal provisioning, the network connection is also for connecting to a wireless terminal, sending network data to the network includes sending the network data to a wireless terminal providing connection to the network, receiving information through the network connection includes receiving the information from the wireless terminal, the network connection is connected to the network through the wireless terminal providing wireless connection to the network.

However, Cheah teaches the following: network connection is a wireless connection, the network connection is a CDMA connection, a radio interface (20, fig. 1)

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connected to the controller in (18, fig. 1), and an antenna (22, fig. 1) connected to the interface, controller supports wireless terminal provisioning, the network connection is also for connecting to a wireless terminal (16, fig. 1), sending network data to the network includes sending the network data to a wireless terminal providing connection to the network (30, fig. 1), receiving information through the network connection includes receiving the information from the wireless terminal, the network connection is connected to the network through the wireless terminal providing wireless connection to the network (fig. 1, col. 3, line 47 – col. 4, line 35).

Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Elzur's system to provide for the following: network connection is a wireless connection, the network connection is a CDMA connection, a radio interface connected to the controller, and an antenna connected to the interface, controller supports wireless terminal provisioning, the network connection is also for connecting to a wireless terminal, sending network data to the network includes sending the network data to a wireless terminal providing connection to the network, receiving information through the network connection includes receiving the information from the wireless terminal, the network connection is connected to the network through the wireless terminal providing wireless connection to the network as arrangement would facilitate user interaction with the networks by wireless communications as taught by Cheah, thus facilitating user mobility while communicating, hence enhancing user convenience.



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6. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Elzur in view of Laity et al. (US PAT: 6,697,892, filed 5-12-2000, hereinafter Laity).

Regarding claim 11, Elzur does not teach the following: peripheral connection is a USB connection.

However, Laity discloses port expansion system which teaches the following: peripheral connection is a USB connection (22, fig. 1, col. 5 lines 16-18).

Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Elzur's system to provide for the following: peripheral connection is a USB connection as this arrangement would provide another well known means of connecting peripheral devices as shown by Laity.

7. Claims 14-15, 35, 47, are rejected under 35 U.S.C. 103(a) as being unpatentable over Elzur in view of Tidewell et al. (US PAT: 6,535,590, filed 5-27-1999, hereinafter Tidewell).

Regarding claims 14-15, 35, 37, Elzur does not teach the following: the controller provides browser service for supporting transferring information for browser applications between the phone connection and the network connection, browser service supports web browser application, service is a browser service.

However, Tidewell discloses telephony system which teaches the following: the controller provides browser service for supporting transferring information for browser applications between the phone connection and the network connection, browser service supports web browser application, service is a browser service (col. 3 lines 25-29, col. 9 lines 39-42).

Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Elzur's system to provide for the following: the controller provides browser service for supporting transferring information for browser applications between the phone connection and the network connection, browser service supports web browser application, service is a browser service as this arrangement would facilitate the user to access internet for browsing as taught by Tidewell, thus enabling the user to realize the vast potential of internet as source of information.

8. Claims 20-21, are rejected under 35 U.S.C. 103(a) as being unpatentable over Elzur in view of Reed et al. (US PAT: 6,275,707, hereinafter Reed).

Regarding claims 20-21, Elzur does not teach the following: GPS system connected to the controller, the controller supports precision differential GPS positioning using the GPS system.

However, Reed discloses method and apparatus for assigning location estimates from a first transceiver to a second transceiver which teaches the following: GPS system connected to the controller, the controller supports precision differential GPS positioning using the GPS system (figs. 1-3, col. 1 lines 32-37, col. 2 lines 51-56, col. 3 lines 26-43).


Thus, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify Elzur's system to provide for the following: GPS system connected to the controller, the controller supports precision differential GPS positioning using the GPS system as this arrangement would facilitate to obtain location information to meet the user application needs as taught by Reed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melur Ramakrishnaiah whose telephone number is (571)272-8098. The examiner can normally be reached on 9 Hr schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curt Kuntz can be reached on (571) 272-7499. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Melur Ramakrishnaiah  
Primary Examiner  
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